

lack or include such functionality respectively, or when the amount of functionality that is provided is altered. In addition, while various operations may be illustrated as being performed in a particular manner (e.g., in serial or in parallel) and/or in a particular order, those skilled in the art will appreciate that, in other implementations, the operations may be performed in other orders and in other manners. The various methods, systems, and processes as illustrated in the figures and described herein represent example implementations. The methods, systems, and processes may be implemented in software, hardware, or a combination thereof in other implementations. Similarly, the order of any process may be changed and various elements may be added, reordered, combined, omitted, modified, etc., in other implementations.

[0106] Although the subject matter has been described in language specific to structural features and/or methodological acts, it is to be understood that the subject matter defined in the appended claims is not necessarily limited to the specific features or acts described. Rather, the specific features and acts are disclosed as exemplary forms of implementing the claims.

What is claimed is:

1. A collective unmanned aerial vehicle ("UAV"), comprising:

a first UAV, including:

- a first motor and a second motor;
- a first propeller coupled to the first motor;
- a second propeller coupled to the second motor;
- a first UAV control system configured to provide rotational speed instructions to each of the first motor and the second motor;
- a first power module configured to provide power to at least one of the first UAV control system, the first motor, or the second motor;
- a first connection component configured to connect the first UAV with a second UAV;

the second UAV removably coupled to the first UAV, including:

- a third motor and a fourth motor;
- a third propeller coupled to the third motor;
- a fourth propeller coupled to the fourth motor;
- a second connection component configured to couple the second UAV with the first UAV;
- a second power module configured to provide power to at least one of a second UAV control system, the third motor, or the fourth motor;

the second UAV control system configured to provide rotational speed instructions to each of the third motor and the fourth motor, wherein the second UAV control system is further configured to at least:

- receive first UAV configuration information from the first UAV;
- determine a collective UAV configuration based at least in part on the first UAV configuration and a second UAV configuration for the second UAV;
- determine a rotational speed for the third motor, wherein the rotational speed is determined based at least in part on the collective UAV configuration; and
- send a rotational speed instruction to the third motor to adjust the rotational speed of the third motor.

2. The collective UAV of claim 1, wherein the rotational speed instruction is an instruction for the third motor to stop a rotation of the third propeller.

3. The collective UAV of claim 1, wherein the first connection component of the first UAV is coupled to the second connection component of the second UAV.

4. The collective UAV of claim 3, wherein at least one of data or power may be exchanged between the first UAV and the second UAV between the first connection component and the second connection component.

5. The collective UAV of claim 1, wherein the first connection component and the second connection component provide at least one of an electrical coupling between the first UAV and the second UAV, a mechanical coupling between the first UAV and the second UAV, an electromechanical coupling between the first UAV and the second UAV, a magnetic coupling between the first UAV and the second UAV, or an optical coupling between the first UAV and the second UAV.

6. A method to provide aerial delivery of an item to a delivery destination, the method comprising:

coupling the item to a first unmanned aerial vehicle ("UAV"), wherein the first UAV is capable of aerial navigation;

coupling the first UAV to a second UAV, wherein the second UAV is capable of aerial navigation;

aerially transporting the item, using the first UAV coupled with the second UAV, to a delivery area; and

delivering the item to the delivery destination within the delivery area.

7. The method of claim 6, further comprising:

aerially navigating the first UAV and the second UAV to a location within the delivery area;

decoupling the first UAV from the second UAV; and

aerially transporting the item using the first UAV from the location to the delivery destination.

8. The method of claim 6, wherein a second item is coupled to the second UAV and the second UAV is configured to aerially transport the second item to a second delivery destination.

9. The method of claim 6, further comprising:

receiving a request from a third UAV to couple with at least one of the first UAV or the second UAV;

determining a collective UAV configuration for a coupling of the first UAV, the second UAV, and the third UAV; and

instructing the third UAV to couple with at least one of the first UAV or the second UAV according to the collective UAV configuration.

10. The method of claim 9, further comprising:

determining that a first flight plan of the third UAV and a second flight plan of the coupled first UAV and second UAV are complementary.

11. The method of claim 9, further comprising:

detecting a decoupling of the second UAV from at least one of the first UAV or the third UAV;

determining an updated collective UAV configuration based at least in part on the first UAV and the third UAV;

determining that the updated collective UAV configuration is to be reconfigured; and

causing a reconfiguration of a coupling between the first UAV and the third UAV.